CLAIMS

An armature shaft comprising: 1.

a shaft having two ends;

a commutator on said shaft;

at least one bearing on said shaft, said bearing adjacent one of said ends of said shaft, said bearing having a central bore sized to balance said shaft during rotation, said central bore having an enlarged portion; and a retainer on said shaft for retaining said bearing on said shaft, said retainer positioned within said enlarged bore portion of said bearing.

- 2. The armature shaft according to Claim 1, wherein a bearing housing surrounds said bearing, said housing adapted for fixing with a motor end plate.
- 3. The armature shaft according to Claim 2, wherein said bearing housing having a receiving bore for receiving said bearing, said receiving bore having a stepped configuration.
- 4. The armature shaft according to Claim 3, wherein said bearing has an outer surface with a step configuration for seating with said bearing housing.
- The armature shaft according to Claim 1, wherein said bearing 5. and said retainer being flush with said shaft end.

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- 6. The armature shaft according to Claim 1, wherein a washer separates said bearing from said commutator.
- 7. The armature shaft according to Claim 1, wherein said enlarged bore portion defines an abutting shoulder, said retainer abutting said shoulder.
- 8. An electric motor comprising:
 a stator assembly;
 an armature rotatable within said stator assembly;
 a commutator rotatable with said armature and connected to said
 armature via a shaft;

brushes associated with said commutator, said brushes held in an end plate;

at least one bearing on said shaft, said bearing adjacent one of said ends of said shaft, said bearing having a central bore sized to balance said shaft during rotation, said central bore having an enlarged portion;

a retainer on said shaft for retaining said bearing on said shaft, said retainer positioned within said enlarged bore portion of said bearing; and a bearing at the other end of said shaft.

9. The electric motor according to Claim 8, wherein a bearing housing surrounds said bearing, said housing fixed with said end plate.

- 10. The electric motor according to Claim 9, wherein said bearing housing having a receiving bore for receiving said bearing, said receiving bore having a stepped configuration.
- 11. The electric motor according to Claim 10, wherein said bearing has an outer surface with a step configuration for seating with said bearing housing.
- 12. The electric motor according to Claim 8, wherein said bearing and said retainer being flush with said shaft end.
- 13. The electric motor according to Claim 8, wherein a washer separates said bearing from said commutator.
- 14. The electric motor according to Claim 8, wherein said enlarged bore portion defines an abutting shoulder, said retainer abutting said shoulder.

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15. A power tool comprising:

a housing;

a stator assembly

an armature rotatable within said stator assembly;

a commutator rotatable with said armature and connected to said armature via a shaft;

brushes associated with said commutator, said brushes held in an end plate;

at least one bearing on said shaft, said bearing adjacent one of said ends of said shaft, said bearing having a central bore sized to balance said shaft during rotation, said central bore having an enlarged portion;

a retainer on said shaft for retaining said bearing on said shaft, said retainer positioned within said enlarged bore portion of said bearing;

a bearing at the other end of said shaft;

apower source electrically coupled with said motor;

an activation member electrically coupled with said motor and said power source for energizing and de-energizing said motor; and an output coupled with said motor for driving a tool.

- 16. The power tool according to Claim 15, wherein a bearing housing surrounds said bearing, said housing fixed with said end plate.
- 17. The power tool according to Claim 16, wherein said bearing housing having a receiving bore for receiving said bearing, said receiving bore having a stepped configuration.

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- 18. The power tool according to Claim 17, wherein said bearing has an outer surface with a step configuration for seating with said bearing housing.
- 19. The power tool according to Claim 15, wherein said bearing and said retainer being flush with said shaft end.
- 20. The power tool according to Claim 15, wherein a washer separates said bearing from said commutator.
- 21. The power tool according to Claim 15, wherein said enlarged bore portion defines an abutting shoulder, said retainer abutting said shoulder.